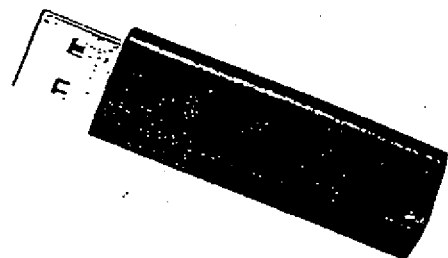


112-1001

Evidence 2



Technical Specifications

Plastic case material	ABS plastic
Dimensions	57 X 16 X 8 mm
Weight	7 g
Operating temperature	0° - 55° C (32° - 131° F)
Storage temperature	-25° - 70° C (-13° - 158° F)
Humidity rating	0 - 100% without condensation
UL-6061 1950 standard	94-V0
Connector	USB Type A
Batteries / External power	None
Lines used	Power, ground, 3 data lines
Read/Write memory	90 bytes
Privileged memory	10 bytes
RAM	2 16-bit words
Unique ID number for each key	32 bits
Memory data retention	At least 10 years
Memory cell re-writes	At least 100,000

Software Protection via the USB

MacHASP USB is part of Aladdin's market-leading HASP hardware-based system to protect Macintosh software from piracy and illegal use, by denying access to software and preventing its execution unless authorized.

MacHASP USB connects to the new industry-standard Universal Serial Bus (USB), which is standard equipment on new generation Mac computers. USB is designed to allow peripherals to be easily attached to computers regardless of manufacturer.

Each MacHASP USB contains a unique code for each software developer, recognized by the protected software. During runtime, the protected application checks whether a MacHASP USB with the correct code is connected to the computer's USB. If the MacHASP USB code is confirmed, the application is executed. If no application will not run.

MacHASP USB features high level microcontroller-based security which prevents reverse engineering and makes its hardware virtually uncrackable. MacHASP USB is available in two models: the stand alone model - MacHASP USB and the network model - Net-MacHASP USB for protecting software running under Macintosh network environments.

Developers already protecting with MacHASP - Aladdin's ADB solution - will have full compatibility with MacHASP USB. This means that most protected applications already in the field will require a simple upgrade by the end user in order to use MacHASP USB.

With MacHASP USB and Net-MacHASP USB you can:

- Control access of up to 20 different software modules and different software packages
- Rent or lease software and distribute demos which have a limited number of activations
- Read and write to the key during application execution
- Enhance security by using the 90 bytes of read/write memory to save passwords, user or application-specific information, and parts of your source code
- Use the 10 bytes of developer-privileged memory to save sensitive information which can be read but not written in the field
- With Net-MacHASP USB you can connect a single key to any station on the network, and limit the number of users who can access your application concurrently

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MACHASP USB • PROTECTS Your Software



MachASP USB – So small, So easy, So powerful

- Protects software via any available USB port
- Unequaled security
- Unparalleled flexibility, ease-of-use and transparency
- Compatible with MachASP keys and software
- Hot swappable
- Contains 100 bytes of memory
- Available in stand-alone and network versions



HASP Protects More

North America Aladdin Knowledge Systems Inc. 400 225-4277, 212 564-1478, Fax: 212 564-1577, Email: hasp@aladdin.com
 Int'l Office Aladdin Knowledge Systems Ltd. +912 666-2222, Fax: +912 666-2222, Email: hasp@aladdin.com
 Germany Aladdin Knowledge Systems GmbH & Co. KG +49 89 49 42 21-0, Fax: +49 89 49 42 21-40, Email: info@aladdin.de
 UK Aladdin Knowledge Systems UK Ltd. +44 1753 622264, Fax: +44 1753 622262, Email: sales@aladdin.co.uk
 Japan Aladdin Japan Co., Ltd. +81 426 60-7191, Fax: +81 426 60-7194, Email: sales@aladdin.co.jp
 France Aladdin France SA +33 1 41-57-70-30, Fax: +33 1 41-57-70-39, Email: info@aladdin.fr
 Benelux Aladdin Software Security Benelux B.V. +31 20 648-8444, Fax: +31 20 648-1901, Email: sales@aladdin.nl
 Russia Aladdin Software Security R.O. Ltd. +7 095 913-0600, Fax: +7 095 913-0600, Email: aladdin@aladdin.ru

in Australia: Conson 03 90955465 in China: Shanghai: Fudan 010 62567209 Beijing: Renhai 010 54946279 (Shanghai) 010 555 2326741 in Czech: Acon 02 786085 in Denmark: Berntsen 033 577316 in Egypt: Zentech 02 3504832 in Finland: O-Suomi 09 872520
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Your software is your baby – and you want to look after it. You created it, you developed it, you saw it right through to the moment it was ready for market. Now protect it. 50% of business software is stolen; \$11 billion of developers' income is lost to piracy.* Is your software a statistic?

All over the world, more developers are protecting against piracy. They're protecting more products, on more platforms, with more security – and selling more as a result. And more of these developers are protecting with HASP.

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